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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/396,582	09/15/1999	HIDEKI KOMATSUDA	105203	7643	
25944 759	90 11/05/2003		EXAMINER		
OLIFF & BERRIDGE, PLC			CHURCH, CRAIG E		
P.O. BOX 19928 ALEXANDRIA, VA 22320			ART UNIT	PAPER NUMBER	
			2882		

DATE MAILED: 11/05/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

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1		Ap	plication No.		Applicant(s)				
Office Action Summary		09	9/396,582		KOMATSUDA ET AL.				
		Ex	aminer		Art Unit				
		Cr	aig E. Church		2882				
Period fo	The MAILING DATE of this communic or Reply	cation appears	on the cover sheet	with the c	orrespondence ad	ldress			
THE I - External after - If the - If NO - Failu - Any I	ORTENED STATUTORY PERIOD FOMAILING DATE OF THIS COMMUNIC asions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this commuperiod for reply specified above is less than thirty (30) period for reply is specified above, the maximum state to reply within the set or extended period for reply veply received by the Office later than three months afted patent term adjustment. See 37 CFR 1.704(b).	CATION. If 37 CFR 1.136(a). Inication. Inication are ply withing the service of the service o	In no event, however, may a in the statutory minimum of tr ply and will expire SIX (6) MO te the application to become	a reply be tim hirty (30) days ONTHS from to ABANDONE!	nely filed s will be considered timel the mailing date of this co D (35 U.S.C. § 133).	y. ommunication.			
1)	Responsive to communication(s) filed	d on							
2a) <u></u> ☐	☐ This action is FINAL . 2b)☑ This action is non-final.								
3)□	Since this application is in condition f closed in accordance with the practic					e merits is			
Dispositi	on of Claims								
5)⊠ 6)⊠ 7)⊠	Claim(s) 1-50 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) 21-25 is/are allowed. Claim(s) 1,4-13,16-20,26-33 and 35-50 is/are rejected. Claim(s) 2,3,14,15 and 34 is/are objected to. Claim(s) are subject to restriction and/or election requirement.								
Applicati	on Papers								
10)	The specification is objected to by the The drawing(s) filed on is/are: Applicant may not request that any object Replacement drawing sheet(s) including The oath or declaration is objected to	a) ☐ accepte tion to the draw the correction i	ving(s) be held in abeyons required if the drawin	rance. See	e 37 CFR 1.85(a). ected to. See 37 Cl				
Priority u	ınder 35 U.S.C. §§ 119 and 120	•							
12)	Acknowledgment is made of a claim and All b) Some * c) None of: 1. Certified copies of the priority of the certified copies of the priority of the certified copies of the certified copies of application from the Internation of the attached detailed Office action acknowledgment is made of a claim for the certified copies of the certified copies of the certified copies of the certified copies of application from the Internation of the Internation of the specific reference was included in the first sentence was included in the first sent	documents had become the priority of the priority of the priority of the priority of the for a list of the first seguage provising the provision of the priority of the	ive been received. Ive been received in documents have been CT Rule 17.2(a)). The certified copies notionity under 35 U.S.Centence of the specification has iority under 35 U.S.Centence 35 U.	Application receives the contraction of the contrac	on No ed in this National ed. e) (to a provisional in an Application eived. and/or 121 since	I application Data Sheet a specific			
Attachmen			4\ □ 1-4	., C.,	(DTO 442) December	'a)			
2) Notic	e of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PT mation Disclosure Statement(s) (PTO-1449) Pa		5) D Notice o		(PTO-413) Paper No(atent Application (PTO				

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 4-13, 16-20, 26-33, 35-50 are rejected under 35 U.S.C. 103(a) as being unpatentable over Japanese patent 5-288696 in view of Miyake et al (6504896). The Japanese patent teaches an x-ray lithography apparatus comprising synchrotron x-ray source 50, x-ray mirror 2 whose reflective surface may become dirty and means 10 for measuring the flow of photoelectrons released by the mirror surface as an indication of accumulated dirt. The Japanese patent does not illustrate a complete lithography system, and it would have been obvious to employ its dirt sensing means in any common lithograph (since that is its function) such as that taught by Miyake which includes x-ray source 1, integrator 5, mask 7, projection system 8 and mask 9.

Claims 2, 3, 14, 15 and 34 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 21-25 are allowed.

Any inquiry concerning this communication should be directed to Craig E. Church at telephone number 703-308-4861.

Craig E. Church
Primary Examinor